

7.0 CHANNELIZING DEVICES

7.1 Taper Formulas:

$L = WS$ for speeds greater than ($>$) 40 mph

$L = WS^2/60$ for speeds equal to or less than (\leq) 40 mph

Where: L = minimum length of taper (ft)

S = numerical value of prevailing travel speed or speed limit (MPH), whichever is higher, prior to work starting,

W = width of offset (ft)

7.2 Maximum spacing between channelizing devices:

Taper Channelization: equal in feet to the posted speed limit.

Tangent Channelization: equal in feet to twice the posted speed limit.

7.3 At horizontal or vertical curves, channelizing devices should be extended to a point where they are visible to approaching traffic. On two-lane, two-way roadways, a full taper length shall always be provided in advance of curves.



7.4 Drums, not cones, should always be used to form the taper on roadways having a prevailing travel speed greater than 40 MPH.

7.5 Storing channelizing devices within 30 feet of the edge of open section roadway or 15 feet of a closed section roadway along any roadway is prohibited without approval of the Engineer.

7.6 Type 3 object markers (VP-1) are required for barrier flare / tangent points.

7.7 The appropriate channelizing devices (including approved barrier) to separate opposing traffic shall be as shown on the plans or as directed by the Engineer.

7.8 On straight sections of roadway with full dimension center and / or lane lines, but without edge lines, channelizing drums shall be used to delineate the edge of the roadway, except at locations designated by the Engineer. Examples would include roadways with curbs, parking, bicycle lanes, or other markings. The channelizing drums may be spaced up to 500' apart where no undue hazards exist unless otherwise directed by the Engineer. On curves, these spacings shall be reduced to a value equal to the posted speed limit, unless otherwise directed by the Engineer.

SPECIFICATION		CATEGORY CODE ITEMS	
APPROVED			
		DIRECTOR - OFFICE OF TRAFFIC AND SAFETY	
	APPROVAL • SHA	APPROVAL • FEDERAL	
	REVISIONS	HIGHWAY ADMINISTRATION	
	APPROVAL 8-20-03	APPROVAL 9-23-03	
	REVISED	REVISED	
	REVISED	REVISED	
	REVISED	REVISED	

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

GENERAL NOTES

STANDARD NO. MD 104.00-10